

19980625.qrp v01_n133.qrs.980625

Date: Thu, 25 Jun 1998 19:03:15 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1133

QRP-L Digest 1133

Topics covered in this issue include:

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by Ed Loranger <we6w@qsl.net>
- 2) [13791] Low power on Field Day
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 3) [13792] Re: Input Filter Design Software (wanted)
by Bob Liesenfeld <wb0poq@visi.com>
- 4) [13793] Dans 40 meter Centennial
by Michael Maiorana <mikemo@ibm.net>
- 5) [13794] WTB: QRP Rig for backpacking
by Keith Martin <bmartin@ccosmo.net>
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by Brian Chesire <BCChesire@worldnet.att.net>
- 8) [13797] Switch Mode Power Supplies
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by Joe Gervais <vole@primenet.com>
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- 12) [13801] SLV QUESTION
by ARDUJENSKI@aol.com
- 13) [13802] Re: HW-8/Tick
by wb8ygg@juno.com
- 14) [13803] Vendor Info
by "Gene Hall" <evhall@ix.netcom.com>
- 15) [13804] Re: Ceramic Tuning Tool found!
by "Gene Hall" <evhall@ix.netcom.com>
- 16) [13805] 38 special bought & Daytime qrp Dx
by CTrautfiel@aol.com
- 17) [13806] KC2 Operating manual
by DENNISMO@aol.com
- 18) [13807] Re: Now THAT's a Mosquito
by jerry schnor <jerrylee@cwws.net>
- 19) [13808] Vendor Site: PCB drills, bargain components

- by Conrad <radman@best.com>
- 20) [13809] Re: Now THAT's a Mosquito
by Ab7wy@aol.com
- 21) [13810] Mosquitos in Md !!
by Scott Bauer <ke3nv@erols.com>
- 22) [13811] Re: sending signals thru the earth
by talljazz@teleport.com (Dan Presley)
- 23) [13812] Re: Mosquitos in Md !!
by Ab7wy@aol.com
- 24) [13813] Was "DEET", now "EAT!"
by Bill Todd <bill@willapabay.org>
- 25) [13814] Re: Now THAT's a Mosquito
by Bill Down <ve5hq@gpfn.sk.ca>
- 26) [13815] Elmer 101 - K8+ Keyer Addition on Web
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 27) [13816] Pixie's Progress -- one third of the way to WAS/QRPP
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 28) [13817] FT2700RH Dual Bander
by K0su@kktv.com
- 29) [13818] Elmer 101 Where did my RF go? Final Chapter
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 30) [13819] RE: Mosquitoes in Md !!
by cy r currier <crc3@telplus.net>
- 31) [13820] Re: 3V vs 12V vs 24V
by Zack Lau <zlau@arrl.org>
- 32) [13821] Field Day & Texas mosquitos
by jaywa5whn@juno.com
- 33) [13822] VHF rigs
by Roger Braker <msebrakr@telepath.com>
- 34) [13823] Re: Now THAT's a Mosquito
by jerry schnor <jerrylee@cwms.net>
- 35) [13824] Re: Elmer 101 Where did my RF go? Final Chapter
by Monte Stark <ku7y@dri.edu>
- 36) [13825] linear
by bkobie@webtv.net (patrick obrien)
- 37) [13826] Re: Solar: FD Countdown
by Paul Harden <pharden@aoc.nrao.edu>
- 38) [13827] Re: Now THAT's a Mosquito
by Monte Stark <ku7y@dri.edu>
- 39) [13828] More on mosquitos
by Tim Pettibone <tpettibo@nmsu.edu>
- 40) [13829] Re: linear
by "George T. Baker" <w5yr@swbell.net>
- 41) [13830] altoids alternative
by THE ONE AND ONLY <mitch96@pobox.com>
- 42) [13831] "Ultracapacitors"
by Andy Fox <foxes@theriver.com>
- 43) [13832] cam e-mail bounced

by "Roger A. McCarty" <rmccarty@earthlink.net>
44) [13833] cam, e-mail bounced
by "Roger A. McCarty" <rmccarty@earthlink.net>
45) [13834] FW: HR2/ KD2IX 7/14 - 7/27
by Lauri_Frank_J@bns.att.com
46) [13835] Re: "Ultracapacitors"
by "Michael A. Gipe" <mgipe@reliablemeters.com>
47) [13836] Re: KC2 Operating manual
by DENNISMO@aol.com
48) [13837] (not QRP) Re: Maxtor hard drive
by Bill Todd <bill@willapabay.org>
49) [13838] Used VHF/UHF Rigs
by cjcole <cjcole@ames.net>
50) [13839] Internet classifieds for Ham gear
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
51) [13840] Grand Canyon Raft Trip
by bcutter@teal.csn.net (Bob Cutter)
52) [13841] Skeeter Scatter (DEET NOT)
by Chuck Carpenter <w5usj@webwide.net>
53) [13842] is Phosphor Bronze really better?
by "Steve Galchutt" <n0tu@webaccess.net>
54) [13843] Confused...
by Larry East <w1hue@amsat.org>
55) [13844] FD: Station class?
by Steven Weber <kd1jv@moose.ncia.net>
56) [13845] Re: 3V vs 12V vs 24V
by Steven Weber <kd1jv@moose.ncia.net>
57) [13846] Re: is Phosphor Bronze really better?
by Mike Souhrada <wb9iog@revealed.net>
58) [13847] Re: Input Filter Design Software (wanted)
by neil <neil@aaade.com>
59) [13848] Re: is Phosphor Bronze really better?
by "Marshall Emm" <mgemm@mtechnologies.com>
60) [13849] Re: 3V vs 12V vs 24V
by Michael Maiorana <mikemo@ibm.net>
61) [13850] Build! Build! Build!
by "laura halliday" <marsgal42@hotmail.com>
62) [13851] Almost Aloha FD
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
63) [13852] Phosphor Bronze wire
by Ed Loranger <we6w@qsl.net>
64) [13853] Phosphor Bronze correction.
by Ed Loranger <we6w@qsl.net>
65) [13854] Fire Power
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
66) [13855] Field Day List IV and Final
by camqrp@cyberg8t.com (Cam Hartford)
67) [13856] Re: Fire Power

by Chris Trask <ctrask@primenet.com>
68) [13857] Re: Elmer 101 where did my RF go?
by Bruce Rattray <rattray@gpfn.sk.ca>
69) [13858] Re: Fire Power
by KC5TJA <kc5tja@topaz.axisinternet.com>
70) [13859] Orlando visit
by "Graham Firth" <Graham.Firth@BTInternet.com>
71) [13860] Rainbow Enclosure
by dave_epps@juno.com

Date: Wed, 24 Jun 1998 23:07:49 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13790] RF Design tutorial on-line.
Message-ID: <359186C5.36E5@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Neat tutorial found on the web.

http://eea099.ee.ust.hk/HF/_private/

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Wed, 24 Jun 1998 19:31:43 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: qrp-l@Lehigh.EDU
Subject: [13791] Low power on Field Day
Message-ID: <35918C5F.2746B34D@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My local Field Day group kind of fell apart at the last minute but I
will be operating QRP class "E", CW and possibly sideband . I'll keep an
ear out for you.

QRP/ARCI# 8634
QRP-L# 1618

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Author of: RADIO MONITORING The How-To Guide
ISBN 1-56866-101-0

Index Publishing Group, San Diego, CA
ipgbooks@indexbooks.com
<http://www.electriciti.com/~ipgbooks>

Date: Wed, 24 Jun 1998 18:47:24 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: qrp-1@Lehigh.EDU
Subject: [13792] Re: Input Filter Design Software (wanted)
Message-ID: <3591900C.16B6753D@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Ciciora wrote:

>
> Hello,
> Any suggestions on any free/public
> domain/shareware/purchasable software for designing 50 ohm filters? I'm
> going to try to re-scale the component values and see what happens, but
> I'd like to make my new filter a little more narrow. I'll start surfing
> the web when I get home (since I can't do it at work), but any pointers
> would be appreciated.

> Steven Ciciora
> Hi Steve,

I don't know if you run linux, but even if not, this Basic program should run on nearly any platform with a Basic interpreter with little changes:

<http://sunsite.unc.edu/pub/Linux/apps/ham/butterworth-1.0.0.tar.gz>

It is a short program I wrote to calculate the valuse for a 2 pole BP filter. You will need the gzip and tar tools to unarchive it.

--

Genuine E-mail From the Land of the Everlasting Icicle...
Bob Liesenfeld
wb0poq@visi.com

Date: Wed, 24 Jun 1998 20:08:14 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [13793] Dans 40 meter Centennial
Message-ID: <359194EE.4169@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Again I am a satisfied Dan's customer. Sent my check out on last tuesday. Got my order today (wednesday). Dan's gets two "thumbs up" from me.

Inside the bag of parts for the 40 meter centennial kit there was a hand written note from Dan. It said:
"you got the 4th kit (40 meter centennial). There are only 6 in existance - no more will be sold."

Wow, I got one of 6. Should be a collectors item some day ;-). Anyway I'd like to know if the other 5 went to list members and get a list of who they are. It may be helpful as we try to tackle this beast. Please email me directly if you ordered or already have one of the 40 meter versions.

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Wed, 24 Jun 1998 17:06:08 -0700
From: Keith Martin <bmartin@ccosmo.net>
To: <qrp-1@Lehigh.EDU>
Subject: [13794] WTB: QRP Rig for backpacking
MIME-Version: 1.0

Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Disposition: inline

I am looking for a lightweight qrp rig to be used while packpacking. If you have one for sale please email me the information.

The rig does not have to be a completed unit, an unassembled kit would be fine.

Thanks,

Keith

Date: Wed, 24 Jun 1998 17:24:03 -0700
From: Keith Martin <bmartin@ccosmo.net>
To: <qrp-l@Lehigh.EDU>
Subject: [13795] Re: Equipment Trade
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Disposition: inline

I need a qrp rig and would be interested in trading a new and never used Hamtronics CA144-28W satellite reciving converter, in orignal box with manual, for one.

The unit sells new for around \$100.00.

Thanks,

Keith

Date: Wed, 24 Jun 1998 17:51:21 -0700
From: Brian Chesire <BCChesire@worldnet.att.net>
To: evhall@ix.netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13796] Re: Info on a Vendor
Message-ID: <35919EBB.4091@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've had good luck with Electronic Goldmine, for the last 7 or 8 years.

They have some real unusual stuff. Caveat: they are a surplus house and sometimes run out of something I really wanted. Thats life. Standaard disclaimer, I'm a fairly well satisfied customer. I received a new flyer today and they had "Fahnstock Clips", Antique buffs take note.

73's Brian
WA5PP0 Tucson, AZ

Date: Wed, 24 Jun 1998 21:14:24 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13797] Switch Mode Power Supplies
Message-ID: <000001bd9fd6\$97953e00\$0cffff0a@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those of you who may be involved or interested in high-frequency switch mode power supplies, ByteMark now offers Flat Transformer Modules from Flat Transformer Technology Corporation, a sister company to Amidon. You can find technical information on the ByteMark site at
<http://www.bytemark.com/flatttransformer>

Tracy Markham, N4LGH #1453
ByteMark Corporation
Amidon Master Distributor
tracy@bytemark.com
800 679-3184
www.bytemark.com

Date: Wed, 24 Jun 1998 20:14:51 -0500
From: "Tim, KD5CKP" <kd5ckp@bellsouth.net>
To: qrp-l@Lehigh.EDU
Subject: [13798] Addresses
Message-ID: <3591A48A.4E5C@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anybody have Email address for these 2 gentlemen? QRZ doesn't have

one and the other is wrong.

N8XSV K9QH0

73 Tim

--

* Tim Billingsley KD5CKP Tech+ & hooked on CW 1.5 WPM but tryin'
* 15 Meter Slo-Chat Anyone interested in participating or assisting
* See this page >>>==> <http://www.qsl.net/kd5ckp/slo-chat.htm>

Date: Wed, 24 Jun 1998 19:04:18 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [13799] QRP Field Day - Go For It!
Message-ID: <199806250204.TAA16009@usr06.primenet.com>

Howdy Folks,

Well, I'm officially shackled at the office for Field Day. AAAIIIIIIEEEEEEEE! This too shall pass. On a bright note, I'll definitely have enough \$\$\$ from overtime pay to pick up a shiny new K2 - wahoo! A nice silver lining if ever there was one.

For you Field Day fence-sitters/lurkers, go for it! Especially if you're new to QRP, you'll be amazed at what a blast it is! Just go out for fun, don't worry about pushing yourself or fumbling the exchange. That way I can live FD vicariously through your messages here next week. :-)

Anyway, wanted to let you all in a little secret, since the topic of harnessing mosquitos for FD power came up. You see, Chris (N3XRV) and I both stumbled across a secret source of power decades ago. For years I'd feared it had been lost to future generations, but Chris was able to locate some and shipped some out to me. Nirvana!

Turn your web browsers to <<http://www.quisp.com>> if you're up for it. Add a six'er of Jolt and you'll be your very own 24-hour operation. :-)

Back to the data mines. You know it's getting bad when your project manager walks into your office and tells you to go home. Must be time to bathe again. *8-)

Good luck and HAVE FUN out there! *sniff* *sniff*

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Do not meddle in the affairs of Dragons, for you are crunchy and taste good dipped in chocolate!"

- Stolen from Other People's Sigs since Time Began

Date: Wed, 24 Jun 1998 21:28:06 +0000
From: "John R. Glazier" <glazier.john@mcleod.net>
To: qrp-1@Lehigh.EDU
Subject: [13800] HW-8/Tick
Message-ID: <35916F66.3636@mcleod.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anybody added a Tick Keyer to a HW-8? If so I would be interested in how it was done. I can put kits together but have yet to figure out all of the mysteries of radio when it comes to modifying existing plans or kits. I would also be interested in any successful mods that have been made to the HW-8. Thanks for your time. 73's John KB0YYZ

Date: Wed, 24 Jun 1998 22:22:16 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13801] SLV QUESTION
Message-ID: <7958f6a0.3591b45f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I plan to just operate 40M ONLY between 7.040 and 7.150 on FIELD DAY; sort of just keeping with the basics. I plan to use the simple ENDFED 1/2 WAVE as

shown on the G3YCC site and the SLV.

REGARDING SLV: I have read the modifications to the SLV. If I shorten the bottom 300ohm twin lead coil to about 26 ft of 300ohm twin lead (as recommended in the changes section) and raise the antenna 8-10 ft will this perform adequately with 300ohm feed and a tuner or is it strongly recommended to go the the wire coil and single wire as noted in the W6MMA recommendation? Thanks...Alan KB7MBI

Date: Wed, 24 Jun 1998 22:38:16 -0400
From: wb8ygg@juno.com
To: glazier.john@mcleod.net
Cc: qrp-l@Lehigh.EDU
Subject: [13802] Re: HW-8/Tick
Message-ID: <19980624.223957.4870.5.wb8ygg@juno.com>

Hi John,
One of the fellows that had an HW-8 informed me that he had to put a resistor in series with the keyline output of the tick so that the HW-8 would not key all the time.
I don't have an HW-8 to help with the other stuff.
73
Brad

Embedded Research
Brad WB8YGG/Gary N2JGU
<http://www.frontiernet.net/~embres>
embres@frontiernet.net

On Wed, 24 Jun 1998 21:28:06 +0000 "John R. Glazier"
<glazier.john@mcleod.net> writes:
>Has anybody added a Tick Keyer to a HW-8? If so I would be interested
>in how it was done. I can put kits together but have yet to figure
>out
>all of the mysteries of radio when it comes to modifying existing
>plans
>or kits. I would also be interested in any successful mods that have
>been made to the HW-8. Thanks for your time. 73's John KB0YYZ
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 24 Jun 1998 23:10:15 -0400
From: "Gene Hall" <evhall@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13803] Vendor Info
Message-ID: <199806250313.WAA21936@dfw-ix14.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I want to thank everyone that responded to my inquiry about Goldmine Electronics.

For the benefit of those that have never dealt with them, the responses that I received were overwhelming favorable regarding the service provided by the vendor, some for over a period of many years.

Thanks again and I'll be placing mt first order with them this week.

72,

Gene WA4HHP Summerville, SC

Date: Wed, 24 Jun 1998 23:13:41 -0400
From: "Gene Hall" <evhall@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13804] Re: Ceramic Tuning Tool found!
Message-ID: <199806250317.WAA22279@dfw-ix14.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

A quick note to all that the response I received concerning a group buy of the ceramic tipped tuning tool was sufficient to support action.

I'll get in touch with Lodestone and determine what the final price will be based on the anticipated quantity.

Mainly I want to find out how they ship and what kind of turn-around I can expect.

As soon as I have the info I'll post it and we can get underway.

72,

Gene WA4HHP Summerville, SC

Date: Wed, 24 Jun 1998 23:29:04 EDT
From: CTrautfiel@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13805] 38 special bought & Daytime qrp Dx
Message-ID: <ea82613a.3591c401@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi everybody;

Got on this list about a week ago and boy is my mailbox stuffed. Very interesting reading from a nice bunch of people. Listed a desire to buy a 38 Special and have found one courtesy of Edwin, W5TWR.

Prior to getting on this list and finding I could buy a used radio here, it was my intent to purchase a kit from Small Wonder. I still intend to do so. Buying the 38 means I get on the air soon and don't rush the kit.

But now, what frequency to buy next? I don't have a rig that has 30 meters now and so I have no idea what it is like, but if I had to guess, it's similar to 40. Long haul at night and local during the day. Is that about right?

So what about daytime Dx? I've heard that during the last solar peak, 5 watts, any old wire antenna and 10 meters could find you all over the world.

So what would you guys do? When I dial up Small Wonder what should I tell him? 10, 15 or 20 meters. On 10, I can imagine the antenna's getting real compact.

What the heck, one more. I will be using a rainbow tuner to start with the 38S. I am also going to try the Saint Louis Vertical (Vern Moore's) set up. My lack of qrp savvy will show here but, will I notice a significant difference between the Rainbow and the SLV given the same conditions (on 30 meters)? Can you tell I'm new?

Hope everyone has a good time on Field Day, and my best to you all!

Curt

Date: Thu, 25 Jun 1998 00:25:53 EDT
From: DENNISMO@aol.com
To: qrp-1@Lehigh.EDU
Cc: DENNISMO@aol.com
Subject: [13806] KC2 Operating manual
Message-ID: <3550bd72.3591d153@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang -

I know that there must be a bunch of Wilderness Radio KC2 units out there in QRP land and I was wondering if someone could send me a copy of the operating manual. You might want to respond for all the group to see - that way I don't get 1500 offers. You see, I know how good this group is...! (:8^>) hi hi.

I just bought a previously owned Sierra with the KC2 and everything is there except the KC2 operating manual. I would really appreciate the help and, of course, I'll pay for copying and mailing.

TIA Gals & Guys - es God Bless

72's Denny / AD6EZ <><
Promise Keeper
HAMing It Up Everyday In Goleta, CA
FISTS #4570 / QRP-L #1359 / 10-X #69158 / ARCI #9637 / Six Club #242 / sCQs
#44

Date: Thu, 25 Jun 1998 04:32:00 -0700
From: jerry schnor <jerrylee@cwws.net>
To: utahfolk@konnections.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13807] Re: Now THAT's a Mosquito
Message-ID: <35923530.1C66@cwws.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

well not quite but almost i hane a place at caswell lake north of
anchorage about 90 miles and during the summer we hide inside and hope
they don't carry off the house. but it is wonderfull spring and fall.
jerry n6ifw sometimes n6ifw/k17

Date: Wed, 24 Jun 1998 22:40:33 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13808] Vendor Site: PCB drills, bargain components
Message-ID: <01BD9FC1.19E53C40.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

If you're looking for PC board drills for your Dremel tool
(set of 9 for \$2.99), dozens of bargain components - 9
cents ea for 74-series IC's & CMOS, DX-66 computers (lease
returns), FM sound boards, etc etc... check out B.G. Micro
at: <http://www.bgmicro.com/lmad.htm>

Their "Lets Make a Deal Page" is worth a visit.

No relation. My surfboard just ran into it ;)

72 - Conrad - NN6CW

Date: Thu, 25 Jun 1998 01:48:34 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13809] Re: Now THAT's a Mosquito
Message-ID: <4ee4b377.3591e4b4@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

i just read the various mosquito posts and as a former alaska resident i felt

i should put in my 2 cents. its long been agreed in the last frontier that the alaskan mosquito is the state bird, and BLM was at one time considering using them as fire tankers. however, i dont think that strapping a skywire to them would be a good idea as the flapping of the wings would blow the whole camp away! i believe they have significant military potential as well (long range bombers?). anyway, during the warmer months in alaska, i felt more like an anti-aircraft gunner than anything else...eye to the sky, listening for that incessant buzz.

by the way , i havent taken part in a field day event since the mid 80's, i think i might jump back into the fun with my MFJ/dipole task force...lots of like minded qrp'ers out there these days, and thats encouraging. i hope to work many of you this weekend . lets get out there and have fun.

72, Adam, AB7WY (ex-NL7CT)

Date: Thu, 25 Jun 1998 02:13:23 -0400
From: Scott Bauer <ke3nv@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [13810] Mosquitos in Md !!
Message-ID: <199806250613.CAA02133@smtp2.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You guys aint seen nothin yet !!

Anyone remember the old movie called "The Birds"??

Well, that is what the mosquitos are like where I live.

They are swarming everywhere. And real big! Just like the Blackbirds you saw in that old movie.

When I walk outside to get into my truck, I have to bring my old Ithica 12 guage with me just to clear a path, then make a run for it.

Where my friend Rich lives, its even worse. He had do design a laser mosquito zapper (patent pending) which fires high intensity beams at anything that gets closer than 20 feet to his house.

We cant use that on field day though as it uses 220v at 30 amps.

Scott

Date: Wed, 24 Jun 1998 23:29:02 +0100
From: talljazz@teleport.com (Dan Presley)
To: rerobins@email.uncc.edu
Cc: qrp-1@Lehigh.EDU
Subject: [13811] Re: sending signals thru the earth
Message-ID: <v01530509b1b71a37d1ee@[204.202.160.90]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Mike Manship wrote:

>

>>The article I remember from the early 60's (I think) in Popular Electronics
>

>I seem to recall this article also. Either in this article or elsewhere, I
>saw reference to communicating through the ground being "discovered" during
>trench warfare in WW1. My leaky memory recalls that the allies discovered
>German phone line conversations could be monitored by driving metal stakes
>into the ground and connecting headphones. Anyone else remember reading
>about this?

>

>I hope I'm not remembering an article from an old April issue of 73 or CQ.

>

>72/73,

>

>Rick kf4ar

You've got it pretty right-it was the Germans who did it first to the
Russians in WWI. All sides used "trench phones"-one wire telephone system
using the ground as a return, and the Germans were the first to use
induction to listen in to the Russian conversations. I believe that some
railroads in the '30's and '40's used a similar system utilizing the rails
as a return.

Dan N7CQR

Date: Thu, 25 Jun 1998 02:46:12 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13812] Re: Mosquitos in Md !!
Message-ID: <32581817.3591f235@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

OH YEAH?? well our mosquitoes were SO BIG we would find clandestine landing strips in the middle of the woods with giant blood tanks off to the side!! they were SO BIG that one flying by would block out the sun for a short time as it passed!! they were huge to the point of having a good fighting chance against Rodan and Mothra. I mean, they would clip the tree tops if they flew too low!! even the flapping of thier gigantic wings would alter alaskas weather patterns!! just think of the oil drilling possibilities!!! this post was in good fun and was in no way intended to discourage visitors to the 49th state.....and as long as F-15's are still stationed at Elmendorf A.F.B., we have a chance against them. by the way, my wife and i enjoyed the "get my 12 gauge and clear a path, then run for it" quote from Scott in MD, it was very funny. 72 and god save us all against this menacing airborne terror, Adam, AB7WY

Date: Wed, 24 Jun 1998 23:47:03 -0700
From: Bill Todd <bill@willapabay.org>
To: qrp-1@Lehigh.EDU
Subject: [13813] Was "DEET", now "EAT!"
Message-ID: <1.5.4.32.19980625064703.00727d08@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I use whatever insect juice I can get, because if I don't, there must be some kind of invisable sign placed all around my body that says "EAT HERE" - and I swear, every bug from 50 miles comes for dinner.

I lived on Maui for a few years some time ago, and was "bugged" by the bugs out that way too. The local folks said that I had to live there for awhile before my blood "thinned out". Well, I don't know if there is any medical proof of that or not...but after about a year, the bugs didn't seem so interested in me.

Maybe my blood thinned out, or maybe I was beginning to feel "more betta" about the bugs (ha).

CUL, Bill-N7MFB

--

<http://www.willapabay.org/~bill>
ICQ me at #8926298

Date: Thu, 25 Jun 1998 00:56:06 -0600 (CST)
From: Bill Down <ve5hq@gpfn.sk.ca>
To: jerry schnor <jerrylee@cwws.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13814] Re: Now THAT's a Mosquito
Message-ID: <Pine.SOL.3.91.980625005144.22650B-100000@gpfn1.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Do you recall the one that landed at the air-strip in Anchorage? They tried to fuel that thing for 20 minutes before it got bored and took off..

Bill > VE5HQ FISTS #3664 / QRP-L #1413
15 meter slo-chat
ve5hq@rac.ca "Yuser of Yaesu"

Date: Thu, 25 Jun 1998 07:43:56 -0400
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-l@Lehigh.EDU
Subject: [13815] Elmer 101 - K8+ Keyer Addition on Web
Message-ID: <8525662E.003FD5AA.00@dpinet01.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

As I mentioned in a previous note about adding a K8+ keyer to the SW-40+, I got a simple webpage mounted last night. It has the drawing mods and some pictures of the K8 addition. Refer to my original note for the explanations. I did not have a copy of it at the time to put it on the page too. Maybe later.

It is located at:

<http://members.aol.com/wb4exw/index.html>

For some reason the GIF files for the schematics look somewhat blurred if using an aol browser (Explorer?). Looks fine under Netscape. Maybe I should have done them as JPGs too. If someone can clue me in on this, I would appreciate some advice.

Enjoy and 72 - Watson/WB4EXW

Date: Thu, 25 Jun 1998 08:13:21 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>
Subject: [13816] Pixie's Progress -- one third of the way to WAS/QRPP
Message-ID: <199806251211.HAA28779@dfw-ix1.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

This week I received QSLs confirming 2 more states. Total now stands at 17 confirmed -- only 33 more for WAS/QRPP. I wonder if I will ever work HI on 250 milliwatts (got AK on 1.75 watts with my battery powered SST and full wave loop).

Working QRPP really makes me appreciate the magic of amateur radio. Some nights I can work 3 stations in an hour -- one after the other, with nice long rag-chews. Other nights I'll call CQ for an hour with no response -- kind of reminds me of fishing :-). I know that calling CQ is not recommended for QRPers but my rig is rock-bound at 7.0406 MHz so if no one is on frequency, I call.

I try to get on every evening after my 4-yr old gets to bed (and the summer thunder storms subside). So if you hear a little Pixie-like signal on 7.0406 calling CQ give a shout -- its probably me trying to catch some more states.

72/73,

Jake [N4UY] Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 50/49 (no HI card yet)
WAC QRP W/C 6/4
WAS QRPP W/C 17/17 (250 milliwatts on a Pixie II / MRX-40 / Tick Keyer /40m dipole combo)
DXCC-Pixie W/C 002/002

"...the harder the conflict, the more glorious the triumph. That which we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

Date: 25 Jun 1998 06:26:22 -0700
From: K0su@kktv.com
To: qrp-l@Lehigh.EDU
Subject: [13817] FT2700RH Dual Bander
Message-ID: <199806251221.IAA30036@nss4.cc.Lehigh.EDU>

Does anyone know of a list or site where I can find anything about this rig. What is the power out, can it run QRP, etc? Anyone know the value?

I am sure someone on this great list can help. Please reply direct.

TNX & 73,
K0SU
Colorado Springs, CO
CQC #100 -- QRP-L #539 -- ARS #64
www.qsl.net/k0su

Date: Thu, 25 Jun 1998 08:22:23 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [13818] Elmer 101 Where did my RF go? Final Chapter
Message-ID: <359240FF.ACD7DC4C@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have reached the conclusion that I never had a problem with the SW40+. The problem seems to be my instrumentation. I used a RF probe that I built per the diagram in the SW40+ manual. It has a couple of diodes (1n4148) and capacitors (.01) and it provides a DC voltage that corresponds to the RF peak voltage. Up to this point it has given me readings that compare with what was expected. But I think in this part of the circuit the voltage levels are lower and the circuits are more susceptible to loading from the probe. So I have been seeing RF all along. I did notice that when I first touch the probe to a test point the voltage readings are higher than the steady state readings on the DVM. I think this is evidence of the probes loading.

So I am back to where I started construction wise but a little smarter in my instrumentation and measurement knowledge and ready for the next part. Thanks to Glen, Mike, and Dave for the help. I hope that I did not waste too much bandwidth. Good luck to everybody of FD. PLEASE BE SAFE.

Ed Kwik KC8JIE QRP-L# 1444

Date: Thu, 25 Jun 1998 20:17:49 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'ke3nv@erols.com'"
<ke3nv@erols.com>
Subject: [13819] RE: Mosquitoes in Md !!
Message-ID: <01BDA078.B60D8160@bgr93.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

what u need is a qrp lazer mosquito zapper. patent that too while ur at it. it is only sporting to go qrp all the way. cy - k1tes

From: Scott Bauer
Sent: Thursday, June 25, 1998 2:13 AM
To: Low Power Amateur Radio Discussion
Subject: Mosquitos in Md !!

You guys aint seen nothin yet !!
Anyone remember the old movie called "The Birds"??
Well, that is what the mosquitos are like where I live.
They are swarming everywhere. And real big! Just
like the Blackbirds you saw in that old movie.
When I walk outside to get into my truck, I have to
bring my old Ithica 12 guage with me just to clear a
path, then make a run for it.
Where my friend Rich lives, its even worse. He had
do design a laser mosquito zapper (patent pending) which
fires high intensity beams at anything that gets closer
than 20 feet to his house.
We cant use that on field day though as it uses 220v
at 30 amps.

Scott

Date: Thu, 25 Jun 1998 08:58:24 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [13820] Re: 3V vs 12V vs 24V
Message-ID: <35924970.5F8@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Are there really any compromises for running a pocket sized QRP rig off 3 volts? 100 mW is more than enough for a skilled QRPer to fill a logbook page with FD contacts. Similarly, some of those little headphones aren't designed to take more than 50 mW--who needs to be able to blow their ears out with clean audio? Such a radio might be ideal for operating at hike-in locations, like the NY/MA/VT corner.--Zack W1VT

Date: Thu, 25 Jun 1998 07:18:33 -0400
From: jaywa5whn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [13821] Field Day & Texas mosquitos
Message-ID: <19980625.071838.3270.0.jaywa5whn@juno.com>

qrp-1ers,

We don't have any mosquitos in New Mexico. In fact, we catch the big mosquitos from Texas & drain them for the moisture. The hard part is imitating a Texan, to get those "big uns" to land. Send more this way. ;-)

Field Day from DM65qs, 6 - 80 meters, de WA5WHN {WB5LYJ & WA5WHN} 1B NM. Really looking forward to it.

72...Jay, WA5WHN

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 25 Jun 1998 00:36:20
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [13822] VHF rigs
Message-ID: <3.0.1.16.19980625003620.4927b9ae@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
After beign in qrp/HF for a while, I find myself wanting to get into vhf.
I need suggestions on good vhf radios under about \$150. Preferably, a used
rig. I wouldn't mind an older rig where I can halfway understand whats
happening inside:-) Any suggestions on models to look for? Thanks for any
help.

Date: Thu, 25 Jun 1998 13:59:59 -0700
From: jerry schnor <jerrylee@cwws.net>
To: ve5hq@gpfn.sk.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13823] Re: Now THAT's a Mosquito
Message-ID: <3592BA4F.56AE@cwws.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Down wrote:

>
> Do you recall the one that landed at the air-strip in Anchorage? They
> tried to fuel that thing for 20 minutes before it got bored and took off..
>
> Bill > VE5HQ FISTS #3664 / QRP-L #1413
> 15 meter slo-chat
> ve5hq@rac.ca "Yuser of Yaesu"

yep sure do , i saw it they even put the ladders up to it for the passengers to get off.

Date: Thu, 25 Jun 1998 07:20:23 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Edward A Kwik jr <eakwikjr@hti.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13824] Re: Elmer 101 Where did my RF go? Final Chapter
Message-ID: <Pine.SOL.3.96.980625070850.14156A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed,

I'd like to suggest that you watch the swap meets for an old VTVM.

I still use my old Heathkit for this kind of work.

And if you ever try to peak or dip a control while using a digital meter, you are just asking for trouble! Use a "real" meter!

You know, one with a little pointer thing that goes back and forth as you make the adjustment! This happens in real time and will show you all the little dips and blips that you can miss with a digital readout, including the bar graph light things!

If you really think you need to know the absolute voltage when you get done, then measure it with a DMM.

(Me? I never really care if the voltage is 4.0123 or just a tad on the high side of 4). :-)

Can you do the adjustments with a DMM? Sure. Just like you can use a metal tool to adjust a coil slug. Given enough time you will get close or even right on but why fight it?

Old (good) VTVM's I have seen run from \$5 to \$25. Or if you want to build one, FET's work good. See the Handbook.

OK, I'm outa' here.... :-)

(Nothing negative here folks, just making a suggestion!)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 25 Jun 1998 09:26:27 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@Lehigh.EDU
Subject: [13825] linear
Message-ID: <7006-35925E13-2@mailtod-131.iap.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

DOES ANYONE HAVE A SMALL LINEAR 1-5 WATTS IN...10-15 OUT CW USAGE FOR
SALE

TNX 73 PAT/K8LEN

Date: Thu, 25 Jun 1998 08:31:19 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13826] Re: Solar: FD Countdown
Message-ID: <Pine.SOL.3.91.980625080952.113A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 24 Jun 1998, Zack Lau wrote:

> Is a major geomagnetic storm really a problem for a 6M and up
> Field Day effort? Seems to me that a bit of aurora might
> actually be useful. Is there any real negative impact on 10 GHz
> DX work?--Zack W1VT

The majority of information I post regarding solar and geomagnetic
activity relates to the HF spectrum, not VHF. The effects on VHF

are minimal and, well, sporadic, which by nature means they can not be predicted.

72, Paul NA5N

Date: Thu, 25 Jun 1998 07:36:41 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: jerry schnor <jerrylee@cwms.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13827] Re: Now THAT's a Mosquito
Message-ID: <Pine.SOL.3.96.980625072946.14156C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 Jun 1998, jerry schnor wrote:

> Bill Down wrote:
> >
> > Do you recall the one that landed at the air-strip in Anchorage? They
> > tried to fuel that thing for 20 minutes before it got bored and took off..

> yep sure do , i saw it they even put the ladders up to it for the
> passengers to get off.

Yes sir, that was quite a ride.

The flight was a recon from Texas to check the place out. Texas, being full of all the Texas cowboys, presented a problem. So I was called in from out of state to go along. At least I cud rat sum readding.

On the way to AK, that darned critter snacked on a DC3! That was a bit too much for me and I chose to get off in Anchorage!

Did the Texas critters ever invade AK? Nope, not after they saw how small the people were. They just left all those little snacks for the AK critters!

Did I ever tell you about the sun spots back then.....?

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 25 Jun 1998 08:44:30 -0600
From: Tim Pettibone <tpettibo@nmsu.edu>
To: Ab7wy@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [13828] More on mosquitos
Message-ID: <3.0.2.32.19980625084430.00690084@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Adam (and the gang):

Well, as a former Alaskan resident myself I just had to jump in. I lived in Anchorage for several years. We had no screens on our windows and no mosquitos. Actually, if you'd go out in the tall grass, early in the morning, and thrash your feet through the vegetation, you might stir up one or two. So, don't believe everything you hear about the "state bird".

On the other hand, many of my non-Anchorage based friends talked about Alaska and then there was Anchorage. Maybe no self respecting mosquito can be found in the city limits. We did have moose and bear though, right in our yard. Guess they aren't as smart as mosquitos.

OQRPC (obligatory QRP chatter) - I'll be on my way to Puerto Rico and will miss FD. You all have a great time and I expect to hear some really interesting stories.

72/73

Tim K50I (ex NL7YL and AL70I)

p.s. I won't tell you about mosquitos in the interior - or about the animals (including humans) that go crazy when covered with mosquitos and other biting insects.

Date: Thu, 25 Jun 1998 09:59:03 -0500
From: "George T. Baker" <w5yr@swbell.net>

To: bkobie@webtv.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13829] Re: linear
Message-ID: <359265B7.FC4C47ED@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pat, you really don't need a "linear" for cw operation. Any Class C amplifier will do the job with higher efficiency.

--

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

patrick obrien wrote:

>
> DOES ANYONE HAVE A SMALL LINEAR 1-5 WATTS IN...10-15 OUT CW USAGE FOR
> SALE
> TNX 73 PAT/K8LEN

Date: Thu, 25 Jun 1998 10:51:29 -0400
From: THE ONE AND ONLY <mitch96@pobox.com>
To: Qrp-1@Lehigh.EDU
Subject: [13830] altoids alternative
Message-ID: <359263F1.41CA@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,
Found a way cool alternative to the altoids tin. i went to the infamous, and sometimes famous, bob's books store here in ft lauderdale. you can find any kind of magazine or counter culture book ever hatched. anyhoo, bob's also sells cigars and CIGARRITOS. these little stinkers come in drop dead gougeous little wood boxes. they are a bit bigger than a altoid box but look alot better. real hinges with dovetail joints....i love it. best of all A FREEBEE!!!!!!

comparo	length	width	hight
altoid	3 3/4"	2 3/8"	13/16"

cigarritos 4 3/8" 3 3/8" 1 1/2"
ducados con
mucho stinko

could be a travel case for a project built in a altiods tin? empregnate
it with epoxy for a neat longlasting project box? let your emagination
run amuck (btw what is a muc?)
pardon the spelling, holds me back on cw also. my foundation in my
native tongue is build on sand.....
ttfn

--

Mitch, Ww4mL
Eschew Obfuscation!

Date: Thu, 25 Jun 1998 08:12:10 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13831] "Ultracapacitors"
Message-ID: <359268CA.6317ED18@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I just stumbled across a description for an interesting product. It is
called an "ultracapacitor." The smallest one is 8 F (yes, _Farads_) in
a 2X3 cm package. The big ones are 2700 F. It appears that the large
ones are designed for electric vehicle regenerative braking.

Might this be useful in a QRP power supply?

Maxwell Power Cache Ultracapacitors
1-619-496-4123

www.powercache.com

72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Thu, 25 Jun 1998 08:16:31 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13832] cam e-mail bounced
Message-ID: <01bda04c\$3ba268e0\$7daad9cf@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
 boundary="-----_NextPart_000_0064_01BDA011.8F4390E0"

This is a multi-part message in MIME format.

-----=_NextPart_000_0064_01BDA011.8F4390E0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Sorry for the bandwidth

-----=_NextPart_000_0064_01BDA011.8F4390E0
Content-Type: text/html;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>
</HEAD>
<BODY bgcolor=3D#ffffff>
<DIV>Sorry for the bandwidth</DIV>
<DIV> </DIV>
<DIV> </DIV></BODY></HTML>

-----=_NextPart_000_0064_01BDA011.8F4390E0--

Date: Thu, 25 Jun 1998 08:17:40 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [13833] cam, e-mail bounced
Message-ID: <01bda04c\$64fb6e80\$7daad9cf@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_006B_01BDA011.B89C9680"

This is a multi-part message in MIME format.

-----=_NextPart_000_006B_01BDA011.B89C9680
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

sorry for the bandwidth (again)=20

>Hi Cam,
>
>Here is an update on the crew operating as field day station WQ6RP.
>
>KD6CC Roger
>AC6UV Godi
>K6WHP Bill
>KF6JET Rob
>KE6QED Bob
>KE6ZDK Duke
>
>Thanks!
>
>Also, if possible I wonder if you might post to Qrp-l the latest latest =
=3D
>listing on Friday. That way we can download the list and keep ears open =
=3D
>for familiar calls.
>
>Roger KD6CC
>
>

-----=_NextPart_000_006B_01BDA011.B89C9680
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>


```

<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT color=3D#000000 size=3D2>sorry for the bandwidth=20
(again)&nbsp;</FONT></DIV>
<DIV><FONT color=3D#000000 size=3D2></FONT>&nbsp;</DIV>
<DIV><FONT color=3D#000000 size=3D2>&gt;Hi Cam,<BR>&gt;<BR>&gt;Here is =
an update on=20
the crew operating as field day station WQ6RP.<BR>&gt;<BR>&gt;KD6CC=20
Roger<BR>&gt;AC6UV Godi<BR>&gt;K6WHP Bill<BR>&gt;KF6JET =
Rob<BR>&gt;KE6QED=20
Bob<BR>&gt;KE6ZDK&nbsp;<BR>&gt;Duke<BR>&gt;<BR>&gt;Thanks!<BR>&gt;<BR>&gt;Also, =
if=20
possible I wonder if you might post to Qrp-l the latest latest =
=3D<BR>&gt;listing=20
on Friday. That way we can download the list and keep ears open =
=3D<BR>&gt;for=20
familiar calls.<BR>&gt;<BR>&gt;Roger=20
KD6CC<BR>&gt;<BR>&gt;<BR></FONT>&nbsp;</DIV></BODY></HTML>

```

-----_NextPart_000_006B_01BDA011.B89C9680--

Date: Thu, 25 Jun 98 11:22:00 -0400
From: Lauri_Frank_J@bns.att.com
To: qrp-l@Lehigh.EDU
Subject: [13834] FW: HR2/ KD2IX 7/14 - 7/27
Message-ID: <H00001ce009d9cc1@MHS>

I will be vacationing in San Pedro Sula, Honduras and will be operating as HR2/ KD2IX from a friends house. I will probably be on the air starting at 1900 UTC. The days of possible operation are July 14 through July 27. I will not be on every day. I will try to operate CW and SSB on 20 and 15 meters.

Frequencies are +/- 14.265 & 14.058
21.265 & 21.058

I will probably run about 100 watts and a beam but I will also listen for QRP stations. I will try to lower the rig down to 5 watts at times. The station belongs to another Ham in San Pedro.

Frank - KD2IX - Carmel, New York - FN31

Date: Thu, 25 Jun 1998 08:48:41 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <foxes@theriver.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13835] Re: "Ultracapacitors"
Message-ID: <045801bda050\$b9e1c210\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Back of the brain calculation:

For \$130, you can put together an ultracap bank which could run a 38
Special at 4 watts for 0.6 seconds key down.

If you designed a 3-volt receiver which ran off 2 mA, you could run it
for about an hour from \$52 worth of ultracaps. Hmmm.... interesting.

Mike K1MG

-----Original Message-----
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, June 25, 1998 8:13 AM
Subject: "Ultracapacitors"

>Hi,
>
>I just stumbled across a description for an interesting product. It
is
>called an "ultracapacitor." The smallest one is 8 F (yes, _Farads_)
in
>a 2X3 cm package. The big ones are 2700 F. It appears that the
large
>ones are designed for electric vehicle regenerative braking.
>
>Might this be useful in a QRP power supply?
>
>Maxwell Power Cache Ultracapacitors

>1-619-496-4123
>
>www.powercache.com
>
>72/73 de Andy, KK7HV - QRP-L #1286 - Tucson, AZ

Date: Thu, 25 Jun 1998 12:02:13 EDT
From: DENNISMO@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13836] Re: KC2 Operating manual
Message-ID: <94907df3.35927486@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang -

Thanks to all that responded to my request for a copy of the KC2 operating manual. Gary KY0B has been kind enough to offer me a copy.

Tnx agn es God Bless,

72's de Denny AD6EZ <><
PROMISE KEEPER

FISTS #4570 / QRP-L #1359 / ARCI #9637 / sCQs #44 / 10-X #69158 / Six Club
#242
HAMing It Up Everyday In Goleta, CA
Grid: DM04BK / WEB PAGE: <http://members.aol.com/dennismo>

Date: Thu, 25 Jun 1998 09:01:17 -0700
From: Bill Todd <bill@willapabay.org>
To: Peter_Simpson@ne.3com.com
Cc: qrp-l@Lehigh.EDU
Subject: [13837] (not QRP) Re: Maxtor hard drive
Message-ID: <1.5.4.32.19980625160117.006fc884@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:23 AM 6/25/98 -0400, you wrote:

>
>Hi Bill -
>
> Let me tell you about my Maxtor experiences!

Thanks for the note Peter - and it is interesting to note that you are the fourth person who has told me that Data General drives are the best! How about that?

I talked to Maxtor, and after demonstrating to tech support that I knew what I was talking about, they transferred me to Customer Service...and they said they will send me out a new drive at no charge, if I promise to send them my old one.

.
Not bad service...but now I will have to restore my tape backup to the new drive, and then copy all my updated files and programs on this corrupted drive I am presently using, to the new one too. Such is life.

CUL, Bill-N7MFB

--

<http://www.willapabay.org/~bill>
ICQ me at #8926298

Date: Thu, 25 Jun 98 11:12:51 -0600
From: cjcole <cjcole@ames.net>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [13838] Used VHF/UHF Rigs
Message-ID: <199806251621.LAA24429@brain.ames.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Hi guys!!

Does anyone know where I can find used VHF/UHF Rigs (Like from Yaesu) I thinking of getting a FT-847 but I don't want to spend that much money. America Online got rid of the Used Rigs Message Boards, forcing users to post in their wanted ads (there is a fee for that).

Can anyone help??

73s

Chris

KC0DBO

Date: Thu, 25 Jun 1998 09:18:00 -0700 (PDT)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: cjcole@ames.net, qrp-1@Lehigh.EDU
Subject: [13839] Internet classifieds for Ham gear
Message-ID: <199806251618.JAA04472@heracles.llnl.gov>

Try this URL for help on finding ham gear over internet.

<http://www.qth.com/cgi-shl/classfd.exe/m|q|QTH.COM>

I have found it fairly useful although haven't tried to find VHF gear there.

Good luck!

Allan K7GT

Date: Thu, 25 Jun 1998 10:48:51 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@Lehigh.EDU
Subject: [13840] Grand Canyon Raft Trip
Message-ID: <199806251648.KAA08852@mailrelay.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The raft trip was wonderful, if you ever have a chance go!

The ham radio part was a virtual bust. 20M was a bad choice of band as the rafting day lasted much longer than I expected and it was evening before I was able to set up the rig. W1AW was always there and a few others, no QRP'ers that I know of.

If I were to do it again I would try to have 40M and perhaps 30M available. I was however good practice for FD!

72, Bob KI0G

Date: Thu, 25 Jun 1998 11:55:53 -0500

From: Chuck Carpenter <w5usj@webwide.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13841] Skeeter Scatter (DEET NOT)
Message-ID: <3.0.1.32.19980625115553.0069e394@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Another product that repels mosquitos is Simmons All Natural Skeeter Skatter.

It's from: Simmons Handcrafts
42295 Highway 36
Bridgeville, CA 95526

I got mine from Real Goods Corp.

Seems to do a good job on chiggers too.

The contents include, citronella, eucalyptus, pennyroyal, and lavender on a base of grapeseed and almond oils.

Smells OK but not as pretty as Skin-so-Soft.

72/73 -- Chuck, W5USJ, EM22cv

Date: Thu, 25 Jun 1998 10:49:04 -0600
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [13842] is Phosphor Bronze really better?
Message-ID: <016e01bda059\$b04cd240\$844a460f@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I see where the Wireman is going to carry Phosphor Bronze (see below)...remembering the thread last year on copper verses etc...My question - is Phosphor Bronze really that much better than coppber if so how much? or worth the investment...if your putting up a new wire antenna?
Cheers Steve

Wireman's Special...Phosphor Bronze, Affordable!!
"The ultimate antenna wire in solid Phosphor Bronze for all permanent wire antenna work, at prices close to copper clad steel. The Wireman has sample

production of our new 14 and 12 gauge single end with breaking strength of 438 and 679 pounds and priced at 15 and 25 cents per foot, respectively. Limited quantities pending full production run. "

URL <http://www.thewireman.com/>

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument, Colorado - Grid Sq DM79nb
homepage: <http://www.webaccess.net/~S&P/HRindex.htm>
email: n0tu@webaccess.net

Date: Thu, 25 Jun 1998 11:11:39 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@Lehigh.EDU
Subject: [13843] Confused...
Message-ID: <3.0.3.32.19980625111139.00930e00@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gee, I thought this was a list devoted to QRP Amateur Radio, but most of the posts over the last few days seem to deal with mosquitoes and other assorted flying pests. Maybe messages from another list are overflowing and causing QRM on QRP-L... :-)

PS -- Don't bother to comment; that just adds to the already high noise level. However, if you absolutely must bang away at your keyboard in response to this, please address your reply to deepsix@null.dev.

Date: Thu, 25 Jun 1998 12:27:20
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [13844] FD: Station class?
Message-ID: <3.0.3.16.19980625122720.2cbf732e@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I doubt if I'll be able to get into the field for Field Day, but might want to give out a few points from the home QTH. What's my class designation?

Maybe some one can run down the various class of operation designations for those of us that don't get QST.

TIA

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 25 Jun 1998 12:05:19
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [13845] Re: 3V vs 12V vs 24V
Message-ID: <3.0.3.16.19980625120519.2cbf3ab0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Are there really any compromises for running a pocket sized QRP
>rig off 3 volts? 100 mW is more than enough for a skilled QRPer
>to fill a logbook page with FD contacts.

A 3V rig would be great and I don't think 100 mw is much of an issue. Except maybe on 40 during the summer when you need some punch to get through the QRN most parts of the country experience. But on 20 or 15, 100 mw should be sufficient for good results.

However, making a shirt pocket sized rig might be more of a problem than it seems. The ubiquitous NE602 craps out at about 4.5 volts. MC1350's are designed for 12V. What few 3 V RF IC's I've seen are designed for FM VHF or UHF work. These were designed for cell phone applications.

Dynamic range might be a problem with a less than 3V swing possible. That could be taken care of by an AGC that works on the front end, rather than at the IF.

49 Mhz Cordless phones most often run at 3.6 volts. It's interesting to note that with the exception of the FM IF chip, all other RF functions use discrete transistors. There must be a reason for this, as they are looking for small size, low power and low cost.

So, I think if one were to build a 3 V HF rig, you'd have to do it with discret transitors, and very few IC's. That makes the size a lot bigger, unless you use a lot of SMT parts.

Personally, I think 6V is a more practical voltage to work with. With that in mind, I started building up my SW40+ and will try to make it work at 6 volts. Will report how it works out.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 25 Jun 1998 12:23:50 -0500
From: Mike Souhrada <wb9iog@revealed.net>
To: n0tu@webaccess.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13846] Re: is Phosphor Bronze really better?
Message-ID: <359287A6.2F90@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Galchutt wrote:

>
> I see where the Wireman is going to carry Phosphor Bronze (see
> below)...remembering the thread last year on copper verses etc...My
> question - is Phosphor Bronze really that much better than coppber if so how
> much? or worth the investment...if your putting up a new wire antenna?
> Cheers Steve
>
> -----

Steve & Group:

Well that's really intersting. I alway thought that phosphor bronze was not desirable in linear amplifiers because of strange RF properties. Now its being sold for an antenna application? Also thought it was more difficult to solder? Hard and springy material as I recall but very much stronger than cu. Someone straighten me out pse.

I've been using the guts of a 220VAC wire lead to a dryer hookup I never needed. It is much harder than most and has served me on many an antenna for 20+ years. May be the same stuff?

Mike

Le Claire, Ia

Date: Thu, 25 Jun 1998 10:30:51 -0700
From: neil <neil@aade.com>
To: scicior@uswest.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13847] Re: Input Filter Design Software (wanted)
Message-ID: <3592894B.623E@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AADE Filter design is available at
<http://www.aade.com/filter.htm>
for evaluation, works good and is cheap.

--
Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Thu, 25 Jun 1998 11:45:10 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: "Steve Galchutt" <n0tu@webaccess.net>, cqclist@mtechnologies.com, qrp-1@Lehigh.EDU
Subject: [13848] Re: is Phosphor Bronze really better?
Message-ID: <199806251743.LAA30190@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Steve--

>>I see where the Wireman is going to carry Phosphor Bronze (see below)...remembering the thread last year on copper verses etc...My question - is Phosphor Bronze really that much better than coppber if so how much? or worth the investment...if your putting up a new wire antenna?
<<

I got a big roll of the stuff in Australia when it was still experimental, and found it to be really excellent for antennas, especially large ones (e.g. my 80M dipole and v-beam). It is a bit harder to work with, but the main thing is that for all practical purposes it does not stretch.

Main handling difficulty is that it is "high tensile" wire and you do NOT want to take it off the side of the roll, or you are bound to get kinks. Unroll it like you would coax!

Hope this helps...

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

(303)752-3382

--

Date: Thu, 25 Jun 1998 14:00:43 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>, kd1jv@moose.ncia.net
Subject: [13849] Re: 3V vs 12V vs 24V
Message-ID: <3592904B.39D5@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

> However, making a shirt pocket sized rig might be more of a problem that it
> seems. The ubiquitous NE602 craps out at about 4.5 volts.

How about using a Maximum MAX1643 step up power supply IC. Runs off of a single alkaline cell (1.5 volts) and can provide up to 5.5 volts regulated out at 20 milliAmps. Efficiency is speced at %83. Might be an interesting project, run a 40 meter receiver on a single AA cell.

Or, you can use the MAX608 which is available in an 8 pin DIP package. This will provide up to 16 volts from a 3 volt supply (2 AA batteries). At 12 volts out it provides %85 efficiency at 300mA out. This part does require several external components and a pass transistor. You could

make a transmitter out of this one.

--

72 de ku4qo

Mike Maiorana

Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Thu, 25 Jun 1998 11:05:07 PDT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [13850] Build! Build! Build!
Message-ID: <19980625180508.5131.qmail@hotmail.com>
Content-Type: text/plain

Parts in the 90s, or, Christmas in June...

One of the standard mantras in ham radio is that parts are impossible to obtain, but I just got two packages that show that interesting and useful parts are dead easy to get, offering amazing capabilities at startling prices.

Mini-Circuits stuff: MAR-2, MAR-6, TUF-1SM, JTOS-150, JTOS-1910. The latter two are voltage controlled oscillators that will eventually find their way into the LOs of weather satellite receivers, for 137 MHz APT (JTOS-150) and 1.7 GHz HRPT (JTOS-1910). Ordered last week through the local Mini-Circuits reps. Arrived today.

Other stuff (Digi-Key): NEC NE25118 GaAsFETs. NE68019 bipolar transistors (Ft = 10 GHz). Chip capacitors. Toko MC122 inductors. Ordered yesterday. Arrived today.

Some relevant URLs:

<http://www.minicircuits.com>
<http://www.digikey.com>
<http://www.cel.com>
<http://www.tokoam.com>

I find the distributors (at least the ones I deal with) to be highly receptive to hobbyist orders, even though they are set up primarily for OEMs - like when I misquoted the part number on the chip capacitors and the woman at Digi-Key asked how many reels of 5000 I wanted. :-)

The moral of the story: put on a half-professional face and you can get just about anything you want. I've gotten samples of assorted exotica (sometimes because they just couldn't be bothered to do the paperwork for onesies and twosies). I get *interesting* junk mail...

If it matters to you, all the usual disclaimers apply.

Laura Halliday VE7LDH "Laisse le vent tout emporter..."
Grid: CN88hk IOTA: NA036 - Foly/Viennet

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 25 Jun 98 08:13:51 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-1@Lehigh.EDU
Subject: [13851] Almost Aloha FD
Message-ID: <9806251813.AA13611@krypton.nmr.Hawaii.Edu>

I am sneaking out from work to try to compensate for my lack of dedication to last second preparations.

At least two QRP stations will be up for FD from Hawaii, ours on Oahu and another on the Big Island. I know of two other QRO FD stations as well.

This time I am going to count on a long wire for the low bands and full size quarter wave verticals over a dense nest of radials for the higher bands, in addition to the long wire which might "beam" signal to somewhere useful on 20-6 meters.

I have the parts to try QRP RTTY so that will be a bit different.

Good luck to everyone in FD.

Won't say much about our skeeters, except to mention they originally flew here from Alaska and only the big multiengine ones made it...

I am counting on an enclosed operating position with no-see-um doors kept zipped up as much as possible. Our site in BL11 often has enough wind to keep the local squadrons grounded, but the slanting rain it drives ahead of it slices under tarp covers quite a

distance. Another argument for a nice tent as an operating position, in the shade of course. Last time the sun came out and in 30 minutes it had melted candlewax inside the tent.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Thu, 25 Jun 1998 18:30:56 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13852] Phosphor Bronze wire
Message-ID: <35929760.2230@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm short on time and can't do my usual reference book digging on this subject. So I'm pulling straight from the brain on this one.

I recall phosphor-bronze has about 5.6 ohms/100 feet resistivity. It is more useful for traveling wave type antennas wherein the antenna has a resistive load at the end anyway. I believe this wire should not be used for anything resonant or where antenna radiation resistance is low and the ohmic losses become a definite concern.

Remember efficiency is $\text{radiation_resistance} / R_{\text{losses}}$.

I expect an authority on this subject might enlighten all of us if I am too far off the mark.

Taking a chance with memory. 72

Smilin' =ED

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Thu, 25 Jun 1998 18:40:51 +0000

From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13853] Phosphor Bronze correction.
Message-ID: <359299B3.2C52@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Uhhh, where is my second line....

Efficiency is $\text{Rad_resistance} / (\text{Rad_res} + \text{R_Losses})$.

Somehow lost the line before the perion.

OH--- My email at qsl.net is not working. Direct
any private email to <mailto:ooringer@geocities.com>
if you must contact me.

Best to all. And how do I add my little go-tee beard
to my smilin' Ed icon I designed? Let's see, I have
short hair ---> =
Glasses -----> =E
and smile alot> =ED
go-tee? -----> =ED>

And my first name is in the Icon. cute huh? right!
-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Thu, 25 Jun 98 09:08:32 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@Lehigh.EDU
Subject: [13854] Fire Power
Message-ID: <9806251908.AA13719@krypton.nmr.Hawaii.Edu>

Something not mentioned here as a source of QRP power is fire. I
suddenly remembered an ancient article in something like Popular
Mechanics for building a thermopile. The thermocouples required
are easily made with a small spot welder. You cannot of course
solder the dissimilar wires together.

As I recall they were using a food can inside a larger coffee can

with both ends cut out. Between the two was a bit of high temperature insulation. The thing was like a chimney with stacked layers of thermocouples installed in it. By using dozens of thermocouples, quite a bit of power could be generated.

What made me think of this was oggling the Campmor catalog and looking at all the tiny backpack stoves, even little folding stoves that use small "fuel pellets".

It would be interesting to review just what kind of power levels an easy to transport system built in a coffee can and powered by small fuel pellets would generate. The scientific stations left by Apollo on the moon were powered by thermopiles, driven by the heat from a very hot slug of plutonium.

Should be more reliable than trained hamsters on a wheel and certainly more powerful than anything you could rectify from the commercial AM stations, effective day and night. I would not be surprised if an adequate thermopile could be built into one of the nice candle lanterns to provide both light and power one of the super tiny Qrpp transcievers.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

Date: Thu, 25 Jun 1998 12:39:50 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-l@Lehigh.EDU
Subject: [13855] Field Day List IV and Final
Message-ID: <199806251939.MAA20129@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

It's lunchtime on Thursday here. I'm getting really itchy to hit the road and get up to the Field Day site, I can already smell the pines. But we've got an important customer coming for a powwow this afternoon. Rats!

As soon as I can shed him, it's Showtime!

Hope you all have a good weekend, low on bugs, high on propagation.

Best of Luck to all,

Cam N6GA

FD Call: N2JGU
Ops: N2JGU, WB8YGG=20
Location: 40 miles SW of Rochester NY

FD Group: Candlewood ARA
FD Call: W1QI
Ops: W1QI, N2DVX, KD1DD, N1HPF, KD1YV, WS1Q, N1TMG
Location: Brookfield CT.
Note - This group has always been QRO, but is going QRP=20
at the urgings of Seab, AA1MY.

FD Group: LM Employees Radio Club
FD Call: W4LMA
Ops: W4ED, K4ZD, KK5MM, AA4RP
Location: LM baseball fields, Marietta, GA
Note - CW ops doing QRP, phone ops QRO. Oh well...

FD Group: North Florida ARS
FD Call: W4IZ
Ops: WD4ET
Location: Jacksonville, FL
Note: Only WD4ET will be QRP, on 40M CW
=20

FD Call: WA5OJI
FD Ops: WA5OJI
Location: Thibodaux, La.=20

FD Group: Zuni Loop MEF
FD Call: K6ZNI
Ops: K6EK, K6MDJ, KD6VIO, KF6ML, N6EV, N6GA, N7FEG, nu6SN,=20
W6SIY, WA6ARA, WA6OWR =20
Location: San Gabriel Mountains, 50 Mi east of Los Angeles

FD Group: Colorado QRP Club - Group 1
FD Call: W0CQC

Ops: K0FEI, K0FRP, K6LS, KF7MD, KR0U, N0COT, N0DQV, N1FN,=20
N5LPZ, W0AH, W0HEP, W2ZGB, WI6T, WJ1R
Location: Elizabeth, CO about 40 miles SE of Denver

FD Group: Colorado QRP Club - Group II=20
FD Call: N0QT
Ops: N0QT, AB0CD
Location: Cherry Creek reservoir
Note: Hawaiian shirts required

FD Group: Guano Reef Bashful Perverts
FD Call: N4BP
Ops: K4PG, N4BP, W40X
Location: Fiesta Key on Long Key, FL

FD Group: New Jersey QRP Club
FD Call: WQ2RP
Ops: N2APB, N2CX, W2DP, WK8G, WA2ECP
Location: Rosedale Park in Hopewell, NJ (Central NJ)

FD Group: Ski Country ARC
FD Call: K0RV
Location: White River National Forest between Aspen and Glenwood Springs, CO

FD Group: The Minnesota QRP Society
FD Call: WQ0RP
Ops: KA0GKC, KB0R, N0PPF, KA0OSC, N0BSN, N0WDM, N0UR,
Location: Minnesota Senior High School rear athletic field

FD Group: N7F FD Group
FD Call: N7F
Ops: K7ZEN, N7CEE
Location: Saddle Mtn, about
25 miles NW of Flagstaff at 8,880 ft

FD Group: The Wyoming Valley QRP Commandos=20
FD Call: K7SZ
Ops: K7SZ, KA3WTF, N3WWL, N2TNN, KA3ICD, WA3WMI, N3PBV, KA3ATG,=20
KA3QPQ, WL7CJU,=20
Location: Francis Slocum State Park in Luzerne County, NE Penna

FD Group: Flying Beers International Broadcast Soc.=20
FD Call: WS8D or possibly WY8W (we havent flipped the coin yet)
Ops: WY8W, WS8D, N8LUB
Location: Emmett, Michigan roughly 20 miles west of Port Huron.
=20

FD Group: The KnightLites=09
FD Call: WQ4RP
Ops: WJ4P, WA4NID, AE4IC, WF4I, KF4EIB, W4WDN, KC4ADW, KF4URE,
AB4PP, N7RI, AA4XX, and others?
Location: Approx. 12 miles south of Raleigh, NC at the farm of Paul,=20
AA4XX
Notes: We'll be operating, socializing and even a little flyfishing.=20
Join us! Contact Paul, AA4XX, at aa4xx@ipass.net for details /=20
directions.

FD Group: Woodwardville ARC.
FD Call: W3DV
Ops: N3SLR, W3CV, KA3ZOW, K3LU (more details coming)
Location: Woodwardville, Md.

FD Group: Sothern Calif QRP Society
FD Call: WQ6RP
Ops: AC6UV, KF6JET, KR6LO, KD6CC
Location: Chilao Campground, Angeles National Forest =A0

FD Group: Alameda County Radio Club
FD Call: N6WG
Ops: Numerous :-)
Location: East Bay Regional Park on San Francisco Bay, CA

FD Group: "FOEax," or "Friends of EAX," basically alums of the U of MD ARA
FD Call: K1RA
Ops: NF3I N3FZX N3ODL K1RA KA3RPU KD3FG KC3WD (?)=20
Location: mountains (?) of western Maryland. Sure,
they're only 2000' high, but around here, them's mountains.

FD Group: Cascade QRP Club
FD Call: N7OW
Ops: N7OW, KL7IXI, KA7OZO, KG7PV, KB7YMD, KS7N, KB7JKC, N7CQR, KK7GG, KC7RZA
Location: Vancouver, WA

Note: New QRP club will be a 2A battery operation

FD Group: Radio Active Camping and Contesting Club (RACC)

Callsign: K5RAC

Ops: N5YAK, KK5NA, N5JI, K5JHP, W5TB, Smitty NA5K, (maybe K5F0)

N3BU0, KK5QA, KM5IH, N5VBK, KB5VPR, KC5PXW

Location: Joe Pool Lake, Cedar Hills Park Campground, Texas

FD Group: No Name =20

FD call: WA6FUH

Ops: WA6FUH

Location: Walnut Grove. Home of the 2000 foot TV towers (3 ea. plus one 1500 foot) for the Sacramento Valley. No, I will not be using the 2K towers. I will be using one of the 100 foot Doplar Radar towers (I have to get them to turn the thing off while working on the sloper).

FD Group: Durham Region QRP Club

FD Call: VE3QDR

Location: near Bomanville, Ontario

FD Group: Nortown Amateur Radio Club

FD Call: VE3NAR

Location: Utopia, Ontario

FD Group: North GA QRP group

FD Call: AE4NY

Ops: AE4NY, K04WX, AE4GX, K4RAB.

Location: Banks Co., GA

FD Group : no name

FD Call: KJ3V

Ops: KJ3V, WA4NAT

Location: Elberta, AL, near the Gulf Coast

FD Group: East Bay Contest Society

FD Call: AE6TT

Ops: K7GT AB6TJ

Location: East side, San Fransisco Bay

FD Group: UHaM [UH Ham Club]=20

FD Call: AH7R=20

Ops: AH7R

Location: Park in Kailua, HI [Oahu, home of BB63], grid BL11.

Note: Hope to have QRP RTTY this year. No Hawaiian Shirt required,
Main bands 20-15-10 meters, hope to be on six meters Saturday aft.

FD Group: The Miller Tribe

FD call: WA5WHN

Ops: WA5WHN, WB5LYJ, KB5OMD

Location: 45 miles north of Albuquerque, in the Santa Fe National Forest.

FD Group: QRP Society of Western New York

FD Call: K2SH (or K2WNY, not sure yet)

FD ops: K2SH, K2UD, maybe more, but never less

Location: near Hornell, NY

Notes: Have more solar power than we know what to do with. Maybe this=
year

we really will run the floodlights to burn off some energy.

FD Group: NW QRP Club=20

FD Call: K7SY

Ops: N7MFB, Bill, K7SY, KB7MBI, KC7OQN, K7QF, (maybe) W6EMT, W7KJ

Location: Bay Center, WA

=20

Date: Thu, 25 Jun 1998 13:02:47 -0700 (MST)

From: Chris Trask <ctrask@primenet.com>

To: "Mike W. Burger" <mike@krypton.nmr.Hawaii.Edu>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [13856] Re: Fire Power

Message-ID: <Pine.BSI.3.96.980625125701.13826A-1000000@usr01.primenet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 Jun 1998, Mike W. Burger wrote:

>

> Should be more reliable than trained hampsters on a wheel and
> certainly more powerful than anything you could rectify from
> the commercial AM stations, effective day and night. I would
> not be surprised if an adequate thermopile could be built into

And what about water power? Some time ago, Bob Pease wrote about needing to recharge his videocamera batteries while backpacking. While he got a number of suggestions, I did not recall anyone mentioning the use of a small undershoot water wheel on the shaft of a DC motor. When backpacking, there is often a source of running water, even out here in the desert.

Circuit Design for the
RF Impaired

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QRP Quarterly
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<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Hello Mike!...been trying to get into your web site but no go today...any ideas?.....want to catch up on the latest Elmer-101 info...tnx & 72 - Bruce(VE5RC)

Date: Thu, 25 Jun 1998 14:04:11 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: "Mike W. Burger" <mike@krypton.nmr.Hawaii.Edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13858] Re: Fire Power
Message-ID: <Pine.LNX.3.96.980625140046.16410B-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Mechanics for building a thermopile. The thermocouples required
> are easily made with a small spot welder. You cannot of course
> solder the dissimilar wires together.

How, then, does one create the thermocouple?

> insulation. The thing was like a chimney with stacked layers of
> thermocouples installed in it. By using dozens of thermocouples,
> quite a bit of power could be generated.

How do you mean, "installed?" Were the thermocouples penetrating the interior of the can, or did they operate from the heat "stored" in the insulation?

> the commercial AM stations, effective day and night. I would
> not be surprised if an adequate thermopile could be built into
> one of the nice candle lanterns to provide both light and power
> one of the super tiny Qrpp transcievers.

I agree... :) This topic is rather interesting to me. Is there a web site that can be accessed on this?

The reason I mention this is that where I live is very prone to power failures, but NOT gas failures. We have a gas stove. In the event of a power emergency, then, one should be able to use the gas stove as a source of energy for a QRP transceiver.

=====
KC5TJA/6 | -| TEAM DOLPHIN |-
DM13 | Samuel A. Falvo II
QRP-L #1447 | <http://www.dolphin.openprojects.net>

Date: Thu, 25 Jun 1998 23:13:22 +0100
From: "Graham Firth" <Graham.Firth@BTInternet.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [13859] Orlando visit
Message-ID: <017c01bda087\$5a7e55e0\$953c63c3@graham>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi

I've just found out (well, the XYL has just booked) that I am coming to the Orlando area from the 26th July through to the 8th of August. This will be my second trip across the pond to the colonies this year (the first was to Dayton and FDIM).

Will there be anything that I shouldn't miss happening in that part of Florida during those days? I can't promise that I shall be allowed out, but I'd hate to miss any QRP meetings, or hamfests. I will just be bringing the handy (2m/70cm), no room for any hf gear I'm afraid.

We don't know exactly where we'll be staying yet, just that it's a villa in Kissimee.

Thanks in advance

Graham
G3MFJ/AB7VN

Date: Thu, 25 Jun 1998 15:22:03 -0700
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [13860] Rainbow Enclosure
Message-ID: <19980625.152204.9966.1.dave_epps@juno.com>

Anyone rcvd their Rainbow Tuner enclosure from San Louis Mach.?
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

End of QRP-L Digest 1133
